KENWOOD

KDC-219
KDC-2019V
KDC-2019
KDC-29MR
KDC-119
KDC-119S
KDC-217
KDC-217S

CD-RECEIVER

INSTRUCTION MANUAL

AMPLI-TUNER-LECTEUR DE CD

MODE D'EMPLOI

REPRODUCTOR DE DISCOS COMPACTOS RECEPTOR DE FM/AM

MANUAL DE INSTRUCCIONES

RECEPTOR DE CD

MANUAL DE INSTRUÇÕES

KENWOOD CORPORATION

Take the time to read through this instruction manual. Familiarity with installation and operation procedures will help you obtain the best performance from your new CD-receiver.

For your records

Record the serial number, found on the back of the unit, in the spaces designated on the warranty card, and in the space provided below. Refer to the model and serial numbers whenever you call upon your KENWOOD dealer for information or service on the product.

Model KDC-219, KDC-2019V, KDC-2019, KDC-29MR, KDC-119, KDC-119S, KDC-217, KDC-217S Serial number _____

© B64-2114-00 (KWN)

COMPACT disc DIGITAL AUDIO

English

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⚠*Warning*

⚠CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
In compliance with Federal Regulations, following are reproductions of labels on, or inside the product relating to laser product safety.

KENWOOD CORPORATION
2967-3, ISHIKAWA-CHO,
HACHIOJI-SHI
TOKYO, JAPAN

KENWOOD CORP. CERTIFIES THIS EQUIPMENT CONFORMS TO DHHS REGULATIONS N0.21 CFR 1040. 10, CHAPTER 1, SUBCHAPTER J.

Location : Bottom Panel

FCC WARNING

This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

NOTE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment may cause harmful interference to radio communications, if it is not installed and used in accordance with the instructions. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

NOTE

This Class B digital apparatus complies with Canadian ICES-003.

Safety precautions

⚠WARNING

To prevent injury or fire, take the following precautions:

- Insert the unit all the way in until it is fully locked in place. Otherwise it may fall out of place when jolted.
- When extending the ignition, battery, or ground wires, make sure to use automotive-grade wires or other wires with a 0.75mm² (AWG18) or more to prevent wire deterioration and damage to the wire coating.
- To prevent a short circuit, never put or leave any metallic objects (such as coins or metal tools) inside the unit.
- If the unit starts to emit smoke or strange smells, turn off the power immediately and consult your Kenwood dealer.
- Make sure not to get your fingers caught between the faceplate and the unit.
- Be careful not to drop the unit or subject it to strong shock.
  The unit may break or crack because it contains glass parts.
- Do not touch the liquid crystal fluid if the LCD is damaged or broken due to shock. The liquid crystal fluid may be dangerous to your health or even fatal.
  If the liquid crystal fluid from the LCD contacts your body or clothing, wash it off with soap immediately.

⚠CAUTION

To prevent damage to the machine, take the following precautions:

- Make sure to ground the unit to a negative 12V DC power supply.
- Do not open the top or bottom covers of the unit.
- Do not install the unit in a spot exposed to direct sunlight or excessive heat or humidity. Also avoid places with too much dust or the possibility of water splashing.
- Do not set the removed faceplate or the faceplate case in areas exposed to direct sunlight, excessive heat or humidity. Also avoid places with too much dust or the possibility of water splashing.
- To prevent deterioration, do not touch the terminals of the unit or faceplate with your fingers.
- Do not subject the faceplate to excessive shock, as it is a piece of precision equipment.
- When replacing a fuse, only use a new one with the prescribed rating. Using a fuse with the wrong rating may cause your unit to malfunction.
- To prevent a short circuit when replacing a fuse, first disconnect the wiring harness.
- Do not place any object between the faceplate and the unit.
- Do not use your own screws. Use only the screws provided. If you use the wrong screws, you could damage the unit.

IMPORTANT INFORMATION

About the disc changer to be connected:

To connect a disc changer having the "O-N" switch to this unit, set the "O-N" switch to "N".
To connect a disc changer having no "O-N" switch to this unit, the converter cord CA-DS100 and/or switching adapter KCA-S210A are required as options.
A disc changer doesn't work when it is connected without using these options.
If a model with no "O-N" switch is connected, some unavailable functions and information that cannot be displayed are generated.
Note that none of the KDC-C100, KDC-C302, C205, C705, and non-Kenwood CD changers can be connected.

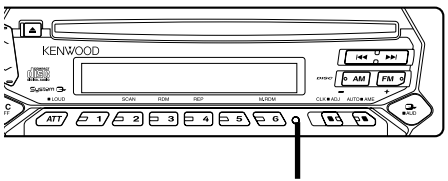
⚠ You can damage both your unit and the CD changer if you connect them incorrectly.

Do Not Load 3-in. CDs in the CD slot

If you try to load a 3 in. CD with its adapter into the unit, the adapter might separate from the CD and damage the unit.

NOTE

- If you experience problems during installation, consult your Kenwood dealer.
- If the unit does not seem to be working right, try pressing the reset button first. If that does not solve the problem, consult your Kenwood dealer.
- Press the reset button if the Disc auto changer fails to operate correctly. Normal operatin should be restored.



- Characters in the LCD may become difficult to read in temperatures below 41 ˚F (5 ˚C).
- The illustrations of the display and the panel appearing in this manual are examples used to explain more clearly how the controls are used. Therefore, what appears on the display in the illustrations may differ from what appears on the display on the actual equipment, and some of the illustrations on the display may represent something impossible in actual operation.

Cleaning the Faceplate Terminals

If the terminals on the unit or faceplate get dirty, wipe them with a dry, soft cloth.

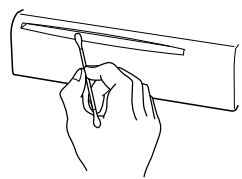
Cleaning the Unit

If the faceplate of this unit is stained, wipe it with a dry soft cloth such as a silicon cloth. If the faceplate is stained badly, wipe the stain off with a cloth moistened with neutral cleaner, then wipe neutral detergent off.

⚠ Applying spray cleaner directly to the unit may affect its mechanical parts. Wiping the faceplate with a hard cloth or using a volatile liquid such as thinner or alcohol may scratch the surface or erases characters.

Cleaning the CD Slot

As dust tends to accumulate in the CD slot, clean it every once in a while. Your CDs can get scratched if you put them in a dusty CD slot.



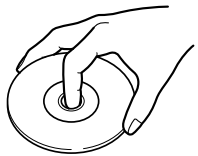
Lens Fogging

Right after you turn on the car heater in cold weather, dew or condensation may form on the lens in the CD player of the unit. Called lens fogging, CDs may be impossible to play. In such a situation, remove the disc and wait for the condensation to evaporate. If the unit still does not operate normally after a while, consult your Kenwood dealer.

About CDs

Handling CDs

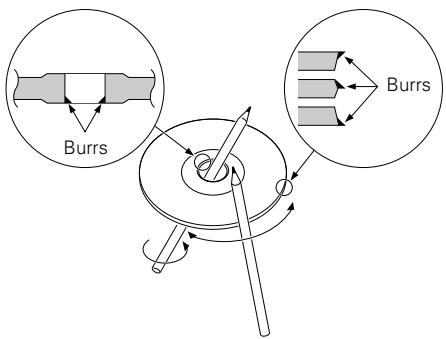
• Don't touch the recording surface of the CD.



• CD-R and CD-RW are easier to damage than a normal music CD. Use a CD-R or a CD-RW after reading the caution items on the package etc.
• Don't stick tape etc. on the CD.
Also, don't use a CD with tape stuck on it.

When using a new CD

If the CD center hole or outside rim has burrs, use it after removing them with a ball pen etc.

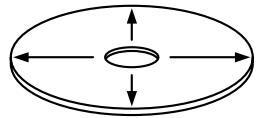


CD accessories

Don't use disc type accessories.

CD cleaning

Clean from the center of the disc and move outward.

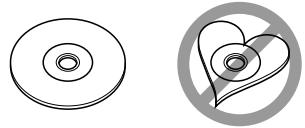


Removing CDs

When removing CDs from this unit pull them out horizontally.

CDs that can't be used

• CDs that aren't round can't be used.

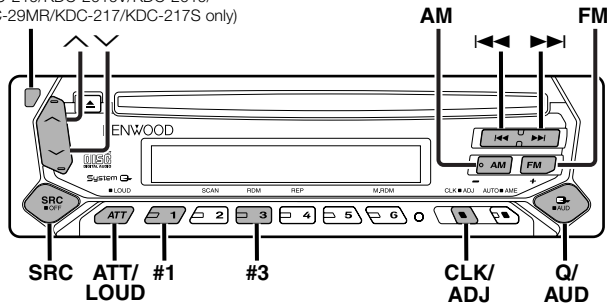


• CDs with coloring on the recording surface or that are dirty can't be used.
• Don't use CDs without disc mark .
• A CD-R or CD-RW that hasn't been finalized can't be played. (For the finalization process refer to your CD-R/CD-RW writing software, and your CD-R/CD-RW recorder instruction manual.)

CD storage

• Don't place them in direct sunlight (On the seat or dashboard etc.) and where the temperature is high.
• Store CDs in their cases.

Release button
(KDC-219/KDC-2019V/KDC-2019/
KDC-29MR/KDC-217/KDC-217S only)



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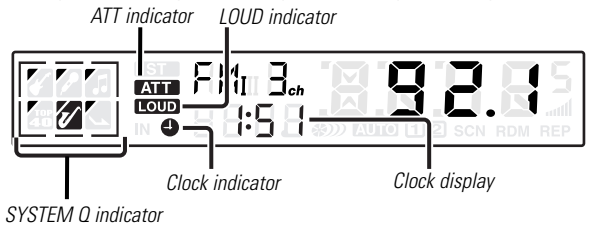
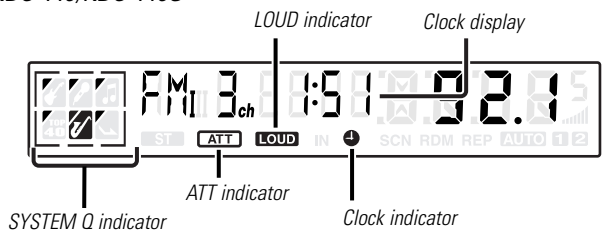


KDC-119/KDC-119S



Power

Turning ON the Power

Press the [SRC] button.

Turning OFF the Power

Press the [SRC] button for at least 1 second.

Selecting the Source

Press the [SRC] button.

Source required	Display
Tuner	"TUnE"
CD	"CD"
External disc (Function of the KDC-219/KDC-2019V/KDC-2019/KDC-29MR)	"DISC"
Standby (Illumination only mode)	"OFF"

Volume

Increasing Volume

Press the [∧] button.

Decreasing Volume

Press the [∨] button.

Attenuator

Turning the volume down quickly.

Press the [ATT] button.
Each time the button is pressed the Attenuator turns ON or OFF.
When it's ON, the "ATT" indicator blinks.

General features

Loudness

Compensating for low and high tones during low volume.

Press the [LOUD] button for at least 1 second.
Each time the button is pressed for at least 1 second the Loudness turns ON or OFF.
When it's ON, "LOUD" indicator is ON.

System Q

You can recall the best sound setting preset for different types of the music.

1 Select the source to set
Press the [SRC] button.

2 Select the Sound type
Press the [Q] button.
Each time the button is pressed the sound setting switches.

Sound setting	Display
Flat	"SQ-1"
Rock	"SQ-2"
Top 40	"SQ-3"
Pops	"SQ-4"
Jazz	"SQ-5"
Easy	"SQ-6"
Scan of Flat — Easy	"SCAn"

- Each setting value is changed with the <Speaker setting> (page 8).
  First, select the speaker type with the Speaker setting.
- When the System Q setting is changed, the Bass, Middle, and Treble set in audio control replace the System Q values.

Audio Control

1 Select the source for adjustment
Press the [SRC] button.

2 Enter Audio Control mode
Press the [AUD] button for at least 1 second.

3 Select the Audio item for adjustment
Press the [FM] or [AM] button.
Each time the button is pressed the items that can be adjusted switch as shown below.

4 Adjust the Audio item
Press the [I◄◄] or [►►I] button.

Adjustment Item	Display	Range
Bass level	"BAS"	–8 — +8
Middle level	"MID"	–8 — +8
Treble level	"TRE"	–8 — +8
Balance	"BL"	Left 15 — Right 15
Fader	"FD"	Rear 15 — Front 15

5 Exit Audio Control mode
Press the [AUD] button.

Speaker Setting

Fine-tuning so that the System Q value is optimal when setting the speaker type.

1 Enter Standby
Press the [SRC] button.
Select the "OFF" display.

2 Enter Speaker Setting mode
Press the [Q] button.

3 Select the Speaker type
Press the [I◄◄] or [►►I] button.
Each time the button is pressed the setting switches as shown below.

Speaker type	Display
OFF	"SP-F"
For the OEM speaker	"SP-O"
For 6 & 6x9 in. speaker	"SP-6"
For 5 & 4 in. speaker	"SP-5"

4 Exit Speaker Setting mode
Press the [Q] button.

Clock Display

Press the [CLK] button.
Each time the button is pressed the clock display turns ON or OFF.
When it's ON, the clock indicator is ON.

Adjusting Clock

1 Select the clock display
Press the [CLK] button.

2 Enter clock adjustment mode
Press the [CLK] button for at least 2 seconds.
The clock display blinks.

3 Adjust the hours
Press the [FM] or [AM] button.

Adjust the minutes
Press the [I◄◄] or [►►I] button.

4 Exit clock adjustment mode
Press the [CLK] button.

Function of the KDC-219/KDC-2019V/KDC-2019/KDC-29MR/KDC-217/KDC-217S

DSI (Disabled System Indicator)

A red indicator will blink on the unit after the faceplate is removed, warning potential thieves.

1 Turn the power OFF
Press the [SRC] button for at least 1 second.

2 Set the DSI
While pressing the [#1] and [#3] button, press the [SRC] button.
Each time the step 1 and 2 operation is done the DSI turns ON or OFF.

English

General features

Function of the KDC-219/KDC-2019V/KDC-2019/KDC-29MR/KDC-217/KDC-217S

Theft Deterrent Faceplate

The faceplate of the unit can be detached and taken with you, helping to deter theft.

Removing the Faceplate

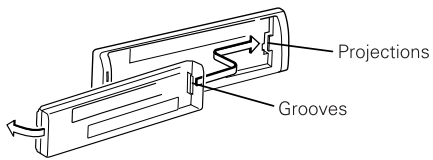
Press the Release button.

The faceplate is unlocked, allowing you to detach it.

⚠
- The faceplate is a precision piece of equipment and can be damaged by shocks or jolts. For that reason, keep the faceplate in its special storage case while detached.
- Do not expose the faceplate or its storage case to direct sunlight or excessive heat or humidity. Also avoid places with too much dust or the possibility of water splashing.

Reattaching the Faceplate

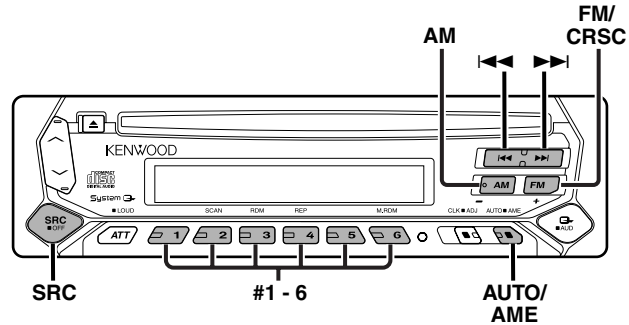
1 Align the projections on the unit with the grooves on the faceplate.



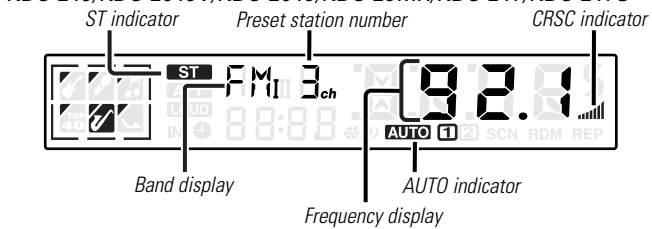
2 Push the faceplate in until it clicks.

The faceplate is locked in place, allowing you to use the unit.

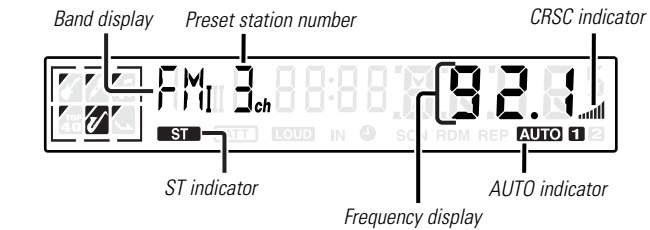
Tuner features



KDC-219/KDC-2019V/KDC-2019/KDC-29MR/KDC-217/KDC-217S



KDC-119/KDC-119S



Tuning Mode

Choose the tuning mode.

Press the [AUTO] button.
Each time the button is pressed the Tuning mode switches as shown below.

Tuning mode	Display	Operation
Auto seek	"AUTO 1" indicator	Automatic search for a station.
Preset station seek	"AUTO 2" indicator	Search in order of the stations in the Preset memory.
Manual	—	Normal manual tuning control.

Tuning

Selecting the station.

1 Select tuner source
Press the [SRC] button.
Select the "TUnE" display.

2 Select the band
Press the [FM] or [AM] button.
Each time the [FM] button is pressed it switches between the FM1, FM2, and FM3 bands.

3 Tune up or down band
Press the [I◄◄] or [►►I] button.

During reception of stereo stations the "ST" indicator is ON.

Station Preset Memory

Putting the station in the memory.

1 Select the band
Press the [FM] or [AM] button.

2 Select the frequency to put in the memory
Press the [I◄◄] or [►►I] button.

3 Put the frequency in the memory
Press the [#1] — [#6] button for at least 2 seconds.
The preset number display blinks 1 time.
On each band, 1 station can be put in the memory on each [#1] — [#6] button.

Auto Memory Entry

Putting stations with good reception in the memory automatically.

1 Select the band for Auto Memory Entry
Press the [FM] or [AM] button.

2 Open Auto Memory Entry
Press the [AME] button for at least 2 seconds.
When 6 stations that can be received are put in the memory Auto Memory Entry closes.

Preset Tuning

Calling up the stations in the memory.

1 Select the band
Press the [FM] or [AM] button.

2 Call up the station
Press the [#1] — [#6] button.

English

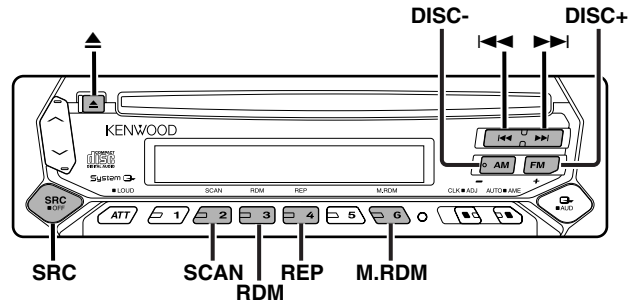
Tuner features

CRSC (Clean Reception System Circuit)

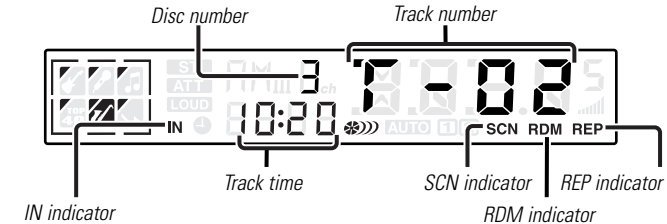
Temporarily have reception switched from stereo to mono to reduce multi-path noise when listening to the FM station.

Press the [CRSC] button for at least 1 second.
Each time the button is pressed CRSC turns ON or OFF.
When it's ON, the CRSC indicator is ON.

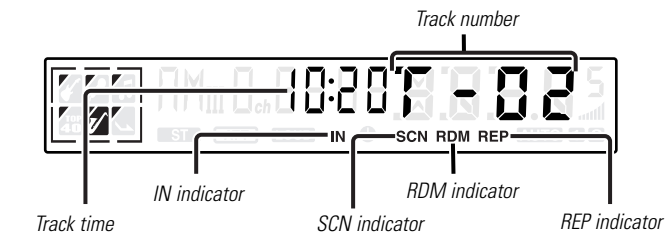
CD/External disc control features



KDC-219/KDC-2019V/KDC-2019/KDC-29MR/KDC-217/KDC-217S



KDC-119/KDC-119S



Playing CD

When a CD is inserted

Press the [SRC] button.
Select the "CD" display.

When a CD is inserted, the "IN" indicator is ON.

Eject the CD

Press the [⏏] button.

3 in. (8cm) CD cannot be played. Using an adapter and inserting them into this unit can cause damage.

Function of the KDC-219/KDC-2019V/KDC-2019/KDC-29MR

Playing External Disc

Playing discs set in the optional accessory disc player connected to this unit.

Press the [SRC] button.
Select the display for the disc player you want.
Display examples:

Display	Disc player
"CD-2"	CD player
"DISC"	CD changer
"DISC"	MD changer

- Disc #10 is displayed as "0".
- The functions that can be used and the information that can be displayed will differ depending on the external disc players being connected.

Fast Forwarding and Reversing

Fast Forwarding

Hold down on the [▶▶|] button.
Release your finger to play the disc at that point.

Reversing

Hold down on the [|◀◀] button.
Release your finger to play the disc at that point.

Track Search

Selecting the song you want to hear.

Press the [|◀◀] or [▶▶|] button.

Function of the KDC-219/KDC-2019V/KDC-2019/KDC-29MR

Album Search (Function of disc changer)

Selecting the disc you want to hear.

Press the [DISC–] or [DISC+] button.

Track/Album Repeat

Replaying the song/disc you're listening to.

Press the [REP] button.
Each time the button is pressed the Repeat Play switches as shown below.

Repeat play	Display
Track Repeat	"REP" indicator & Track No. blink.
Album Repeat (Function of disc changer)	"REP" indicator & Disc No. blink.
OFF	—

CD/External disc control features

Track Scan

Playing the first part of each song on the disc you are listening to and searching for the song you want to listen to.

1 Start Track Scan
Press the [SCAN] button.
"SCN" indicator is ON.

2 Release it when the song you want to listen to is played
Press the [SCAN] button.

Random Play

Playing all the songs on the disc in random order.

Press the [RDM] button.
Each time the button is pressed Random Play turns ON or OFF.
When it's ON, the "RDM" indicator is ON and the track number blinks.

When the [►►I] button is pressed, the next song select starts.

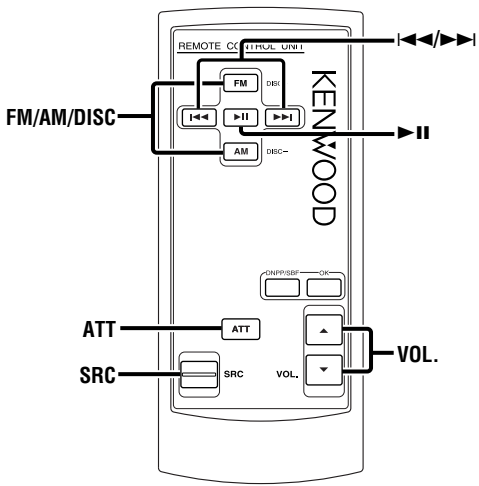
Function of the KDC-219/KDC-2019V/KDC-2019/KDC-29MR

Magazine Random Play (Function of disc changer)

Play the songs on all the discs in the disc changer in random order.

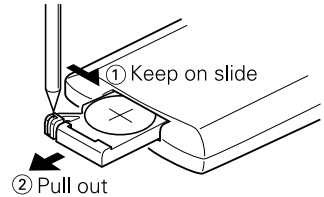
Press the [M.RDM] button.
Each time the button is pressed the Magazine Random Play turns ON or OFF.
When it's ON, the "RDM" indicator is ON and the track and disc number blink.

When the [►►I] button is pressed, the next song select starts.



Loading and Replacing the battery

Use one lithium battery (CR2025).
Insert the batteries with the + and – poles aligned properly, following the illustration inside the case.



⚠WARNING

Store unused batteries out of the reach of children. Contact a doctor immediately if the battery is accidentally swallowed.

⚠ Do not set the remote on hot places such as above the dashboard.

Basic operations

[VOL.] buttons

Adjusting the volume.

[SRC] button

Each time the button is pressed the source switches.
For the source switching order refer to <Selecting the Source> (page 7).

[ATT] button

Turning the volume down quickly.
When it is pressed again it returns to the previous level.

Basic Operations of remote

Accessory of the KDC-219/KDC-2019V/KDC-2019

In Tuner source

[FM]/ [AM] buttons
Select the band.
Each time the [FM] button is pressed it switches between the FM1, FM2, and FM3 bands.

[|◄◄]/ [►►|] buttons
Tune up or down band.

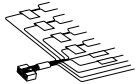
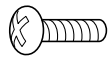
In Disc source

[|◄◄]/ [►►|] buttons
Doing track forward and backward.

[DISC+]/ [DISC–] buttons
Doing album forward and backward.

[►II] button
Each time the button is pressed the song pauses and plays.

Accessories

External view	..... Number of items	External view	..... Number of items
① 	1	③	4
②	2	④	4
		⑤ 	1

(KDC-219/KDC-2019V/KDC-2019/ KDC-217/KDC-217S only)

⚠ The use of any accessories except for those provided might result in damage to the unit. Make sure only to use the accessories shipped with the unit, as shown above.

Installation Procedure

1. To prevent a short circuit, remove the key from the ignition and disconnect the ⊖ battery.
2. Make the proper input and output wire connections for each unit.
3. Connect the speaker wires of the wiring harness.
4. Connect the wiring harness wires in the following order: ground, battery, ignition.
5. Connect the wiring harness connector to the unit.
6. Install the unit in your car.
7. Reconnect the ⊖ battery.
8. Press the reset button.

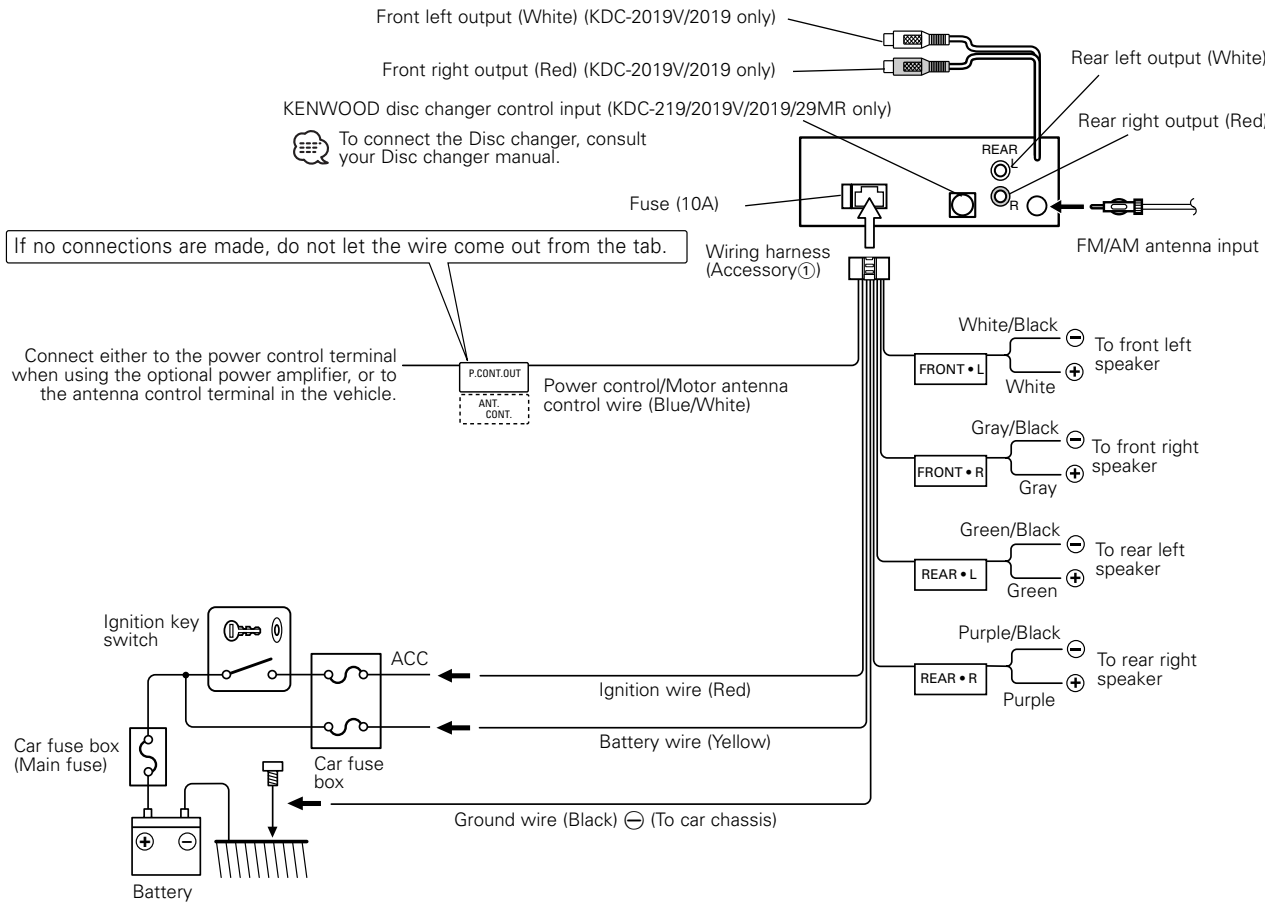
⚠WARNING

If you connect the ignition wire (red) and the battery wire (yellow) to the car chassis (ground), you may cause a short circuit, that in turn may start a fire. Always connect those wires to the power source running through the fuse box.

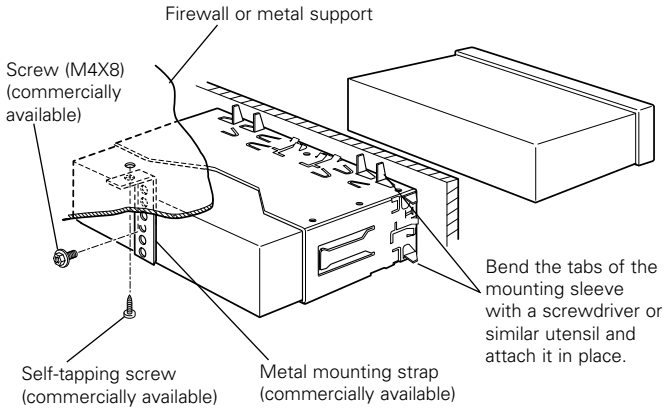
⚠CAUTION

- If your car's ignition does not have an ACC position, connect the ignition wires to a power source that can be turned on and off with the ignition key. If you connect the ignition wire to a power source with a constant voltage supply, as with battery wires, the battery may die.
- If the console has a lid, make sure to install the unit so that the faceplate will not hit the lid when closing and opening.
- If the fuse blows, first make sure the wires aren't touching to cause a short circuit, then replace the old fuse with one with the same rating.
- Insulate unconnected wires with vinyl tape or other similar material. To prevent a short circuit, do not remove the caps on the ends of the unconnected wires or the terminals.
- Connect the speaker wires correctly to the terminals to which they correspond. The unit may be damaged or fail to work if you share the ⊖ wires or ground them to any metal part in the car.
- When only two speakers are being connected to the system, connect the connectors either to both the front output terminals or to both the rear output terminals (do not mix front and rear). For example, if you connect the ⊕ connector of the left speaker to a front output terminal, do not connect the ⊖ connector to a rear output terminal
- After the unit is installed, check whether the brake lamps, blinkers, wipers, etc. on the car are working properly.
- Mount the unit so that the mounting angle is 30° or less.

Connecting Wires to Terminals



■ Installation

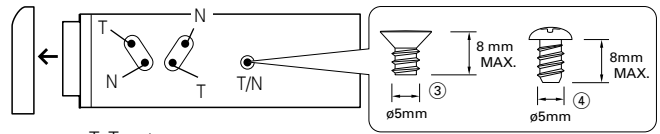

Firewall or metal support
Screw (M4X8) (commercially available)
Bend the tabs of the mounting sleeve with a screwdriver or similar utensil and attach it in place.
Self-tapping screw (commercially available)
Metal mounting strap (commercially available)

Make sure that the unit is installed securely in place. If the unit is unstable, it may malfunction (for example, the sound may skip).

■ Installing in Japanese-Made Cars

1 Refer to the section "Removing the hard rubber frame" (page 20) and then remove the hard rubber frame.

2 Align the holes in the unit (two locations on each side) with the vehicle mounting bracket and secure the unit with the accessory screws.



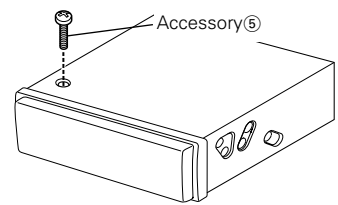
T: Toyota cars
N: Nissan cars

Accessory③...for Nissan car
Accessory④ ...for Toyota car

- During installation, do not use any screws except for those provided. The use of different screws might result in damage to the main unit.
- Damage may occur if a screwdriver or similar tool is used with excessive force during the installations.

■ Screwing the Faceplate on the Unit

If you want to fasten the faceplate to the main unit so that it does not fall off, screw in the provided screw (ø4 X 16 mm) in the hole shown below.

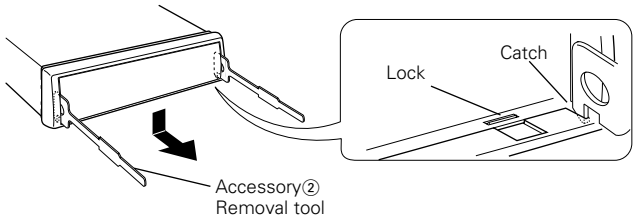


Never insert the taptite screw (ø4 × 16 mm) in any other screw hole than the one specified. If you screw it in another hole, it will contact and may cause damage to the mechanical parts inside the unit.

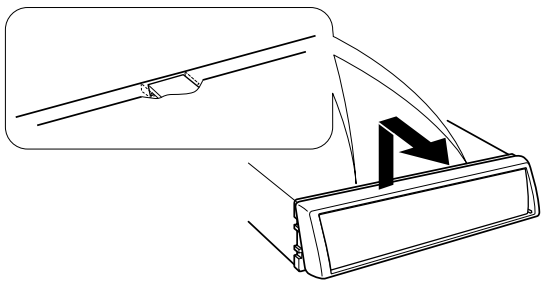
Installation

■ Removing the hard rubber frame

1 Engage the catch pins on the removal tool and remove the two locks on the lower level.
Lower the frame and pull it forward as shown in the figure.



2 When the lower level is removed, remove the upper two locations.



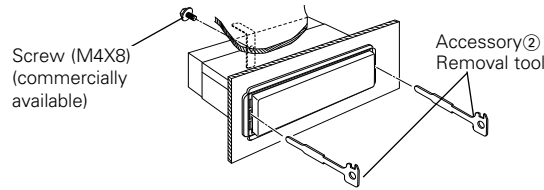
The frame can be removed from the top side in the same manner.

■ Removing the Unit

1 Refer to the section "Removing the hard rubber frame" and then remove the hard rubber frame.

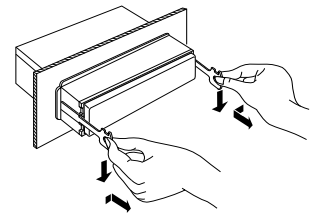
2 Remove the screw (M4 × 8) on the back panel.

3 Insert the two removal tools deeply into the slots on each side, as shown.

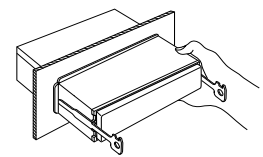


4 Lower the removal tool toward the bottom, and pull out the unit halfway while pressing towards the inside.

⚠ Be careful to avoid injury from the catch pins on the removal tool.



5 Pull the unit all the way out with your hands, being careful not to drop it.



What might seem to be a malfunction in your unit may just be the result of slight misoperation or miswiring. Before calling service, first check the following table for possible problems.

General

? The power does not turn ON.

✔ The fuse has blown.
☞ After checking for short circuits in the wires, replace the fuse with one with the same rating.

✔ No ACC position on vehicle ignition.
☞ Connect the same wire to the ignition as the battery wire.

? Nothing happens when the buttons are pressed.

✔ The computer chip in the unit is not functioning normally.
☞ Press the reset button on the unit (page 5).

? There's a source you can't switch.

✔ There's no CD inserted.
☞ Set the media you want to listen to. If there's no media in this unit, you can't swhich to each source.

? The memory is erased when the ignition is turned OFF.

✔ The battery wire has not been connected to the proper terminal.
☞ Connect the wire correctly, referring to the section on <Connecting Wires to Terminals>.

✔ The ignition and battery wire are incorrectly connected.
☞ Connect the wire correctly, referring to the section on <Connecting Wires to Terminals>.

? Even if Loudness is turned ON, high-pitched tone isn't compensated for.

✔ Tuner source is selected.
☞ High-pitched tone isn't compensated for when in Tuner source.

? No sound can be heard, or the volume is low.

✔ The fader or balance settings are set all the way to one side.
☞ Center the fader and balance settings.

✔ The input/output wires or wiring harness are connected incorrectly.
☞ Reconnect the input/output wires or the wiring harness correctly. See the section on <Connecting Wires to Terminals>.

? The sound quality is poor or distorted.

✔ One of the speaker wires is being pinched by a screw in the car.
☞ Check the speaker wiring.

✔ The speakers are not wired correctly.
☞ Reconnect the speaker wires so that each output terminal is connected to a different speaker.

? The Touch Sensor Tone doesn't sound.

✔ The preout jack is being used.
☞ The Touch Sensor Tone can't be output from the preout jack.

Tuner source

? Radio reception is poor.

✔ The car antenna is not extended.
☞ Pull the antenna out all the way.

✔ The antenna control wire is not connected.
☞ Connect the wire correctly, referring to the section on <Connecting Wires to Terminals>.

Troubleshooting Guide

Disc source

? "AVin" is displayed without achieving External disc control mode.

✔ O-N switch is set to "O" side.
☞ Set the switch to "N" side.

✔ Unsupported disc changer is connected.
☞ Connect the supported disc changer. (page 4)

? The specified disc does not play, but another one plays instead.

✔ The specified CD is quite dirty.
☞ Clean the CD.

✔ The CD is upside-down.
☞ Load the CD with the labeled side up.

✔ The disc is loaded in a different slot from that specified.
☞ Eject the disc magazine and check the number for the specified disc.

✔ The disc is severely scratched.
☞ Try another disc instead.

? The specified track will not play.

✔ Random play or magazine random play has been selected.
☞ Turn off random play or magazine random play.

? Track repeat, disc repeat, track scan, random play, and magazine random play start by themselves.

✔ The setting is not canceled.
☞ The settings for these functions remain on until the setting to off or the disc ejected, even if the power is turned off or the source changed.

? Cannot play CD-R or CD-RW.

✔ Finalization processing is not being conducted for CD-R/CD-RW.
☞ Conduct finalization processing with CD recorder.

✔ A non-compatible CD changer is being used to play the CD-R/CD-RW.
☞ Use a CD changer compatible with CD-R/CD-RW to play.

? A CD ejects as soon as it is loaded.

✔ The CD is upside-down.
☞ Load the CD with the labeled side up.

✔ The CD is quite dirty.
☞ Clean the CD, referring to the section on <CD cleaning> (page 6).

? Can't remove disc.

✔ The cause is that more than 10 minutes has elapsed since the vehicle ACC switch was turned OFF.
☞ The disc can only be removed within 10 minutes of the ACC switch being turned OFF. If more than 10 minutes has elapsed, turn the ACC switch ON again and press the Eject button.

? The disc won't insert.

✔ There's already another disc inserted.
☞ Press the [⏏] button and remove the disc.

? Track Search can't be done.

✔ For the albums first or last song.
☞ For each album, Track Search can't be done in the backward direction for the first song or in the forward direction for the last song.

If the following situations, consult your nearest service center:

- Even though the disc changer is connected, the Disc Changer source is not ON, with "AVin" showing in the display during the Changer Mode.
- Even though no device (KCA-S210A, CA-C1AX, KDC-CPS87, KDC-CX87, KDC-CPS85, KDC-CX85, KDC-CPS82 or KDC-CX82) is connected, the Auxiliary input is entered when switching modes.

The messages shown below display your systems condition.

E-01: No disc magazine has been loaded in the changer.
The disc magazine is not completely loaded.
➪ Load the disc magazine properly.
No CD in the unit.
➪ Insert the CD.

E-02: No disc has been loaded in the disc magazine.
➪ Load a disc into the disc magazine.

E-04: No disc has been loaded in the disc magazine.
➪ Load a disc into the disc magazine.
The CD is quite dirty. The CD is upside-down. The CD is scratched a lot.
➪ Clean the CD and load it correctly.

E-10: Nothing has been recorded on the MD.

E-11: No tracks are recorded on the MD, although it has a title.

E-12: The faceplate of the slave unit being connected to this unit has been removed.
➪ Replace it.

E-77: The unit is malfunctioning for some reason.
➪ Press the reset button on the unit. If the "E-77" code does not disappear, consult your nearest service center.

E-99: The unit is malfunctioning for some reason.
➪ Press the reset button on the unit. If the "E-99" code does not disappear, consult your nearest service center.

E-0d: The protective circuit in the unit activates when the temperature inside the automatic disc changer exceeds 60°C (140°F), stopping all operation.
➪ Cool down the unit by opening the windows or turning on the air conditioner. As the temperature falls below 60°C (140°F), the disc will start playing again.

LOAd: Discs are being exchanged in the Disc changer.

IN (Blink): The CD player section is not operating properly.
➪ Reinsert the CD. If the CD cannot be ejected or the display continues to flash even when the CD has been properly reinserted, please switch off the power and consult your nearest service center.

Specifications

Specifications subject to change without notice.

FM tuner section

Frequency range (200 kHz space) .....87.9 MHz – 107.9 MHz
Usable sensitivity (S/N = 30dB) .....9.3dBf (0.8 µV/75 Ω)
Quieting Sensitivity (S/N = 50dB) .....15.2dBf (1.6 µV/75 Ω)
Frequency response (±3 dB).....30 Hz – 15 kHz
Signal to Noise ratio (MONO).....70 dB
Selectivity (±400 kHz).....≥ 80 dB
Stereo separation (1 kHz) .....40 dB

AM tuner section

Frequency range (10 kHz space) .....530 kHz – 1700 kHz
Usable sensitivity (S/N = 20dB) .....28 dBµ (25 µV)

CD player section

Laser diode .....GaAlAs (λ=780 nm)
Digital filter (D/A).....8 Times Over Sampling
D/A Converter .....1 Bit
Spindle speed.....500 – 200 rpm (CLV)
Wow & Flutter.....Below Measurable Limit
Frequency response (±1 dB).....10 Hz – 20 kHz
Total harmonic distortion (1 kHz) .....0.01 %
Signal to Noise ratio (1 kHz) .....96 dB
Dynamic range .....93 dB
Channel separation.....85 dB

Audio section

Maximum output power
KDC-219/2019V/2019 .....50 W x 4
KDC-29MR/217/217S/119/119S.....45 W x 4
Full Bandwidth Power (at less than 1% THD) .....22 W x 4
Tone action
Bass : .....100 Hz ±10 dB
Middle : .....1 kHz ±10 dB
Treble : .....10 kHz ±10 dB
Preout level / Load (during disc play).....1800 mV/10 kΩ
Preout impedance .....≤ 600 Ω

General

Operating voltage (11 – 16V allowable) .....14.4 V
Current consumption.....10 A
Installation Size (W x H x D) .....182 x 53 x 157 mm
7-3/16 x 2-1/16 x 6-3/16 inch
Weight.....3.1 lbs (1.4 kg)

KENWOOD